

What is claimed is:

1. A motion detector camera comprising:
 - a housing having a mounting member in a bottom surface for mounting the housing to a tripod, the housing having an film advance mechanism located within the housing for automatically advancing a film of the camera after each exposure;
 - a wide angle lens attached to the housing and exposed on a front surface of the housing;
 - a motion detector attached to a front surface of the housing, the motion detector adapted to detect motion up to 50 feet away from the housing;
 - a flash attached to the housing and having a range of at least 23 feet; and
 - a controller for controlling the flash and a shutter of the camera, wherein the controller receives a signal from the motion detector indicating a triggering event and the controller causes the flash to flash if necessary and causes the shutter to form an exposure on the film.
2. The motion detector camera of claim 1, wherein the controller is programmable to cause the camera to take a pre-determined number of exposures per triggering event.
3. The motion detector camera of claim 2, wherein the predetermined number of exposures is between 1 and 9.
4. The motion detector camera of claim 1, further comprising a test light attached to the housing, wherein when the controller is put into a testing state the controller causes the test light to blink when the motion detector is triggered but the controller does not cause the camera to expose any film.

5. The motion detector camera of claim 4, wherein when the camera is turned on the controller regulates a test sequence wherein the test light blinks for a pre-determined amount of time.
6. The motion detector camera of claim 1, wherein when put into a pause state, the controller ignores any triggering event signals received from the motion detector until a pre-determined amount of time has elapsed.
7. The motion detector camera of claim 6, wherein the pre-determined amount of time is between 1 to 60 minutes.
8. The motion detector camera of claim 1, wherein the camera can alternatively place an hour/minute stamp on a picture or a year/date/month stamp on a picture.
9. A motion detector camera comprising:
 - a housing having a mounting member in a bottom surface for mounting the housing to a tripod and having attachment features for attaching the housing with a band to a supporting structure;
 - a film advance mechanism located within the housing for automatically advancing a film of the camera after each exposure
 - a lens attached to the housing and exposed on a front surface of the housing;
 - a motion detector exposed on a front surface of the housing;
 - a flash attached to the housing and separated from the lens wherein the flash is not a separate integral unit with the lens; and
 - a controller for controlling the flash and a shutter of the camera, wherein the controller receives a signal from the motion detector indicating a triggering event and the controller causes the flash to flash if necessary and causes the shutter to form an exposure on the film.

10. The motion detector camera of claim 9, further comprising a stand having a base and a pair of arms connected to the base, the arms having a distance therebetween wherein the housing fits between the arms, each arm having a hole located therein for putting a bolt therethrough and attaching the housing to the stand, the stand having a hole in the base which is in the same location as the mounting member in the bottom surface of the housing so that a tripod mount can go through the hole into the mounting member.

11. The motion detector camera of claim 9, further comprising a counter attached to a surface of the housing for displaying a number of exposures taken by the camera.

12. The motion detector camera of claim 9, further comprising a power supply located within the housing.

13. The motion detector camera of claim 12, further comprising a light attached to the housing for indicating a low power supply.

14. The motion detector camera of claim 9, wherein the motion detector is adapted to detect motion up to 50 feet away from the housing and has a 110 degree angle coverage.

15. The motion detector camera of claim 9, wherein the flash has a range of at least 23 feet.

16. The motion detector camera of claim 9, wherein the controller is programmable to cause the camera to take between 1 and 9 bursts of exposures per triggering event.

17. The motion detector camera of claim 9, wherein the controller is programmable to ignore any triggering event signals received from the motion detector until a pre-determined amount of time has elapsed.
18. The motion detector camera of claim 9, wherein the housing includes a ridge located above the lens.
19. The motion detector camera of claim 9, wherein the housing is substantially waterproof.
20. The motion detector camera of claim 9, wherein the housing is adapted to protect the controller from temperature changes of at least 100 degrees F.
21. The motion detector camera of claim 9, wherein the housing includes a clear plastic shell.
22. The motion detector camera of claim 9, further comprising a remote control to control one or more functions of the motion detector camera.
23. A method of controlling a motion detector camera, the method comprising:
 - placing the motion detector camera into one or more of a burst state, a pause state, and a test state;
 - receiving a signal from a motion detector;
 - if in the burst state, sending a signal to a camera mechanism to cause the camera mechanism to take a pre-determined number of pictures in rapid succession;
 - if in the pause state, ignoring the signal from the motion detector until a pre-determined amount of time has passed; and

if in the test state, sending a signal to a test light to cause the test light to flash while not sending any signals to the camera mechanism which would cause the camera mechanism to take a picture.

24. The method of claim 23, wherein the pre-determined number of pictures is a user determinable number between 1 and 9.

25. The method of claim 23, wherein the pre-determined amount of time is a user determinable amount of time between 1 and 60 minutes.

26. A method of taking a picture comprising:

providing a motion detector camera having a housing having a film advance mechanism located within the housing for automatically advancing a film of the camera after each exposure, and a wide angle lens attached to the housing and exposed on a front surface of the housing, and a motion detector attached to a front surface of the housing, the motion detector adapted to detect motion up to 50 feet away from the housing, and a flash attached to the housing and having a range of at least up to 23 feet; and

receiving a signal from the motion detector indicating a triggering event and causing the flash to flash if necessary and causing the shutter to form an exposure on the film.

27. The method of claim 26, further comprising causing the camera to take a pre-determined number of exposures per triggering event.

28. The method of claim 26, further comprising causing a test light to blink when the motion detector is triggered but not causing the camera to expose any film.

[illegible]